

**In the Claims**

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1. (Currently Amended) A method for identifying at least one human coding region/gene, including mutated or polymorphic variants thereof, which is associated with a bipolar mood disorder ~~or related disorder~~, comprising:

identifying the position of a coding region/gene in an 8.9 cM region of human chromosome 18q disposed between polymorphic markers D18S68 and D18S979 or a fragment thereof that can be compared to an equivalent region of DNA from a person afflicted with a bipolar mood disorder ~~or a related disorder~~, and

detecting differences between the coding region/gene of the 8.9 cM region of human chromosome 18q disposed between polymorphic markers D18S68 and D18S979 or a fragment thereof and equivalent region in the DNA of an individual afflicted with a bipolar mood disorder ~~or related disorder~~, wherein a difference in the coding region/gene and the equivalent region identifies the coding region/gene or mutated or polymorphic variant thereof as associated with the bipolar mood disorder ~~or related disorder~~.

2. (Currently Amended) A method for identifying at least one human coding region/gene, including mutated or polymorphic variants thereof, which is associated with a bipolar mood disorder ~~or related disorder~~, comprising:

identifying the position of a coding region/gene in a YAC clone comprising a portion of human chromosome 18q disposed between polymorphic markers D18S60 and D18S61 that can be compared to an equivalent region of DNA from a person afflicted with a bipolar mood disorder ~~or a related disorder~~, and

detecting differences between the coding region/gene of the YAC clone comprising a portion of human chromosome 18q disposed between polymorphic markers D18S60 and D18S61 and the equivalent region of DNA of an individual afflicted with a bipolar mood disorder ~~or related disorder~~, wherein a difference in the coding region/gene and the equivalent

region of DNA identifies that the coding region/gene or mutated or polymorphic variant thereof is associated with the bipolar ~~mood-disorder or related-disorder~~.

3. (Previously Presented) The method of claim 2 wherein said portion comprises the region of chromosome 18q between polymorphic markers D18S68 and D18S979 or a fragment of said region.

4. (Previously Presented) The method of claim 2 wherein said YAC clone is 961\_h\_9, 942\_c\_3, 766\_f\_12, 731\_c\_7, 907\_e\_1, 752\_g\_8 or 717\_d\_3.

5. (Previously Presented) The method of claim 4 wherein said YAC clone is 961\_h\_9, 766\_f\_12 or 907\_e\_1.

6-47. (Cancelled)